

glideinWMS - Bug # 2004: Frontend error message about pickle error when schedds are unavailable

Status:	Assigned	Priority:	Normal
Author:	John Weigand	Category:	Frontend
Created:	10/13/2011	Assigned to:	Krista Larson
Updated:	10/13/2011	Due date:	
Subject:	Frontend error message about pickle error when schedds are unavailable		
Description:	<p>When the frontend attempts to query the schedds for the available jobs and the schedd/submit service were not available (as in not running), it use to output a message indicating explicitly that was the problem. Now it gives a stack trace about a pickle error.</p> <p>Now, in the info log, it just tells you..</p> <pre>[2011-10-12T15:03:51-05:00 14536] Child processes created [2011-10-12T15:03:52-05:00 14536] WARNING: Exception in jobs. See debug log for more details. [2011-10-12T15:03:52-05:00 14536] Terminating iteration due to errors</pre> <p>In the err log..</p> <pre>[2011-10-12T15:03:52-05:00 14536] Exception in jobs. See debug log for more details.</pre> <p>In the debug log...</p> <pre>[2011-10-12T15:05:53-05:00 14536] Exception in jobs occurred: ['Traceback (most recent call last):\n', ' File "/home/weigand/glidein/glideinWMS.v2plus/frontend/glideinFrontendElement.py", line 114, in fetch_fork_result_list\n rin=fetch_fork_result(pipe_ids[k][\'r\'],pipe_ids[k][\'pid\'])\n', ' File "/home/weigand/glidein/glideinWMS.v2plus/frontend/glideinFrontendElement.py", line 103, in fetch_fork_result\n out=cPickle.loads(rin)\n', 'EOFError\n']</pre> <p>I see a couple problems with this.</p> <ol style="list-style-type: none">1. In the info log,<ol style="list-style-type: none">a. the "Child processes created" message is totally meaningless unless you are the developer. Something like "Querying schedds for user jobs" would be more meaningful.b. on failure, other than the "WARNING: Exception in jobs..", maybe "WARNING: Failed to contact schedds. See debug log for more details"c. It indicates it is terminating the iteration. I do not recall if it did this in the past. I guess it makes sense. If valid, fine. If not, ?2. In the err log.<ol style="list-style-type: none">a. "Error in jobs" is meaningless. If we can't be more specific, why don't we just say "Error contacting schedds".3. In the debug log, I suppose the pickle stacktrace is ok if this is all we can do when we are forking a child process. Would be nice if more detail is available. I also thought at one time we had a means of showing the stacktrace in a cleaner format. Likely I am wrong just thinking wishfully. <p>John Weigand</p>		

History